

Converting Colors

$Y_{xy}(12.3647, 0.4273, 0.4729)$

Have a look what the booklet for
Yxy(12.3647, 0.4273, 0.4729)
contains.

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Color

Yxy(12.3650, 0.4273, 0.4729)

Conversions

Conversions Part 1

Format	Color
Hex	6F6317
RGB	111, 99, 23
RGB Percent	44%, 39%, 9%
CMY	0.5647, 0.6118, 0.9097
CMYK	0.00, 0.11, 0.79, 0.56
HSL	52°, 66%, 26%
HSV	52°, 79%, 44%
XYZ	11.1727, 12.3650, 2.6095
YIQ	93.9240, 31.5480, -21.0920

Conversions

Conversions Part 2

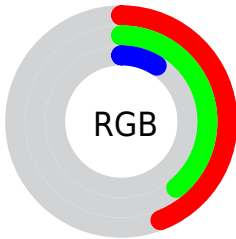
Format	Color
R_{YB}	37, 111, 23
Decimal	7299863
CIE Lab	41.79, -4.17, 41.98
CIE LCh	42, 42.182, 95.668
Yxy	12.3650, 0.4273, 0.4729
Android (android.graphics.Color)	4285489943 (0xFF6F6317)
YUV	93.9240, -34.9655, 14.9757
Hunter-Lab	35.1639, -4.8217, 20.2149

Details

The Yxy color **12.3650, 0.4273, 0.4729** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.5339, 0.1764, 0.1168**, and the grayscale version is **11.2541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9753, 0.4034, 0.4403**, and **3.5069, 0.4384, 0.4901** is the 20% darker color. If you saturate the color by 10%, you get **12.0457, 0.4363, 0.4803**, and if you desaturate by 10%, it is **12.7095, 0.4160, 0.4616**.

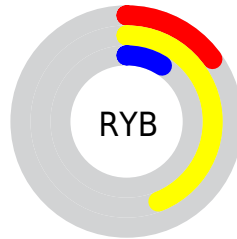
Distribution



Red (44%)

Green (39%)

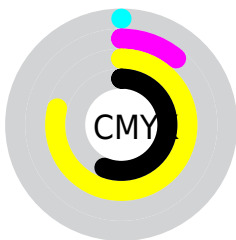
Blue (9%)



Red (15%)

Yellow (44%)

Blue (9%)

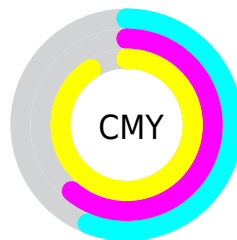


Cyan (0%)

Magenta (11%)

Yellow (79%)

Black (56%)



Cyan (56%)


Magenta (61%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3650, 0.4273, 0.4729 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 12.3650, 0.4273, 0.4729 by changing the saturation by 10% instead.


 12.3650, 0.4273,
0.4729


 12.3650, 0.4273,
0.4729


 206.8069, 0.3631,
0.3896


 6.9928, 0.4421,
0.4945


 30.1582, 0.4035,
0.4408


 3.4576, 0.4679,
0.5321

 43.3479, 0.3945,
0.4291


 1.3750, 0.4608,
0.5392

 59.9122, 0.3870,
0.4195

 0.1982, 0.3043,
0.6957

 80.2355, 0.3807,
0.4115


 0.0000, 0.0000,
0.0000


 104.7023, 0.3753,
0.4047

 133.6968, 0.3706,


0.3989

 167.6036, 0.3666,
0.3940


 12.3650, 0.4273,
0.4729


 12.3650, 0.4273,
0.4729

 12.0457, 0.4363,
0.4803


 12.7095, 0.4160,
0.4616

 11.7422, 0.4437,
0.4851

 13.0796, 0.4027,
0.4468

 11.7199, 0.4443,
0.4854

 13.4777, 0.3879,
0.4292

 13.9054, 0.3724,
0.4097

 14.3641, 0.3566,
0.3891

■ 14.8554, 0.3410,
0.3682

■ 15.3804, 0.3259,
0.3475

■ 15.9403, 0.3117,
0.3276

■ 16.5364, 0.2984,
0.3086

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



12.3650, 0.4816, 0.4139



12.3650, 0.4273, 0.4729



12.3650, 0.3473, 0.4992

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.3650, 0.4273, 0.4729



12.3650, 0.1639, 0.2688



12.3650, 0.3459, 0.2367

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.3650, 0.4273, 0.4729



2.5339, 0.1764, 0.1168

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



12.3650, 0.2571, 0.2039



12.3650, 0.4273, 0.4729



12.3650, 0.1641, 0.2145

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.3650, 0.4273, 0.4729



12.3650, 0.1967, 0.3600



12.3650, 0.1949, 0.1951



12.3650, 0.4365, 0.2878

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.3650, 0.4273, 0.4729



12.3650, 0.2901, 0.4796



12.3650, 0.1949, 0.1951



12.3650, 0.3144, 0.2233

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.3656, 0.4273, 0.4729



26.1167, 0.3494, 0.3795



4.1223, 0.5357, 0.3074



6.2159, 0.3538, 0.3854



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.3656, 0.4273, 0.4729



21.1199, 0.4418, 0.4834



13.1466, 0.3640, 0.5221



3.8424, 0.3256, 0.3470



13.7821, 0.4445, 0.4853



67.7292, 0.4461, 0.4840

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



2.5339, 0.1764, 0.1168



2.8456, 0.1572, 0.0799



2.5407, 0.2082, 0.1129



3.3672, 0.2996, 0.3103



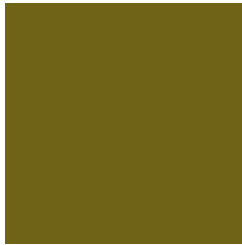
1.7335, 0.1541, 0.0748



7.8668, 0.1525, 0.0689

Previews

White Background



This preview shows how the Yxy color 12.3650, 0.4273, 0.4729 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 12.3650, 0.4273, 0.4729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

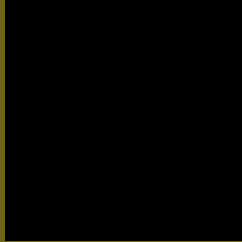
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.3650, 0.4273, 0.4729

Background



This preview shows how black text looks on a background with the Yxy color 12.3650, 0.4273, 0.4729.



This preview shows how white text looks on a background with the Yxy color 12.3650, 0.4273, 0.4729.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.3650, 0.4273, 0.4729

Protanopia

12.3650, 0.4273, 0.4729

Deuteranopia

12.3651, 0.4534, 0.4485



Tritanopia

12.3371, 0.3420, 0.3145

Trichromacy



Original Color

12.3650, 0.4273, 0.4729

Protanomaly

12.3650, 0.4273, 0.4729

Deuteranomaly

12.3579, 0.4432, 0.4577

Tritanomaly

12.2842, 0.3812, 0.3807

Monochromacy



Original Color

12.3650, 0.4273, 0.4729

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.4924, 0.3601, 0.3948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3650, 0.4273, 0.4729 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(111, 99, 23)` looks like.

```
.text, #text, p{  
    color:rgb(111, 99, 23)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(111, 99, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 99, 23) }
```

Border

The CSS property to change the border of an element to Yxy 12.3650, 0.4273, 0.4729 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(111, 99, 23) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(111, 99, 23) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(111, 99, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 99, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 99, 23);  
box-shadow:4px 4px 4px 4px rgb(111, 99,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3650, 0.4273, 0.4729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 99, 23) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(111, 99,  
23) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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